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UTILITY PATENT APPLICATION TRANSMITTAL Only for new nonprovisional applications under 37 C.F.R. 1.53(b)	Attorney Docket No.	NTL-3.2.145/3518 (12810R0US01U)
	First Inventor	Shiquan Wu et al.
	Title	SYNCHRONIZATION IN A MULTIPLE-INPUT/MULTIPLE-OUTPUT (MIMO) ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING (OFDM) SYSTEM FOR WIRELESS APPLICATIONS
	Express Mail Label No.	EL401216579US

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, D.C. 20231
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<p>1. [X] *Fee Transmittal Form (e.g., PTO/SB/17) (submit an original, and a duplicate for fee processing)</p> <p>2. [X] Specification Total Pages [32] (preferred arrangement set forth below)</p> <ul style="list-style-type: none">- Descriptive title of the invention- Cross References to Related Applications- Statement Regarding Fed sponsored R&D- Reference to Microfiche Appendix- Background of the invention- Brief Summary of the invention- Brief Description of the Drawings (if filed)- Detailed Description- Claim(s)- Abstract of the Disclosure <p>3. [X] Drawing(s) (35 U.S.C. 113) Total Pages [5]</p> <p>4. Oath or Declaration Total Pages [1]</p> <p>a. [X] New unexecuted (original or copy)</p> <p>b. [] Copy from a prior application (37 CFR §1.63(d) (for continuation/divisional with box 16 completed)</p> <p>i. [] DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).</p>	<p>5. [] Microfiche Computer Program (Appendix)</p> <p>6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)</p> <p>a. [] Computer Readable Copy</p> <p>b. [] Paper Copy (identical to computer copy)</p> <p>c. [] Statement verifying identity of above copies</p> <p>ACCOMPANYING APPLICATION PARTS</p> <p>7. [] Assignment Papers (cover sheet & document(s))</p> <p>8. [] 37 C.F.R. §3.73(b) Statement [] Power of Attorney (when there is an assignee)</p> <p>9. [] English Translation Document (if applicable)</p> <p>10. [] Information Disclosure [] Copies of IDS Citations Statement (IDS)PTO-1449</p> <p>11. [] Preliminary Amendment</p> <p>12. [X] Return Receipt Postcard (MPEP 503) (should be specifically itemized)</p> <p>13. [] *Small Entity [] Statement filed in prior application Statement(s) (PTO/SB/09-12) Status still proper and desired</p> <p>14. [] Certified Copy of Priority Document(s) (if foreign priority is claimed)</p> <p>15. [] Other:</p>
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**NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY
SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED
(37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS
RELIED UPON (37 C.F.R. § 1.26).**

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

[] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No. _____ / _____

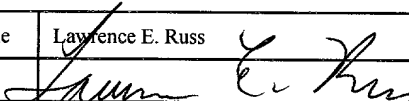
Prior application information: Examiner _____ Group/Art Unit: _____

For CONTINUATION or DIVISIONAL APPS. Only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

[] Customer Number or Bar Code Label : 26784 : or [X] Correspondence address below
:(Insert Customer No. Or Attach bar code label here) :

Name	COBRIN & GITES				
Address	750 Lexington Avenue, 21 floor				
City	New York	State	New York	Zip Code	10022
Country	U.S.A.	Telephone	(212) 486-4000	Fax	(212) 486-4007
Name (Print/Type)	Lawrence E. Russ		Registration No. (Attorney/Agent)	35,342	
Signature	<i>Lawrence E. Russ</i>		Date	December 29, 2000	

FEE TRANSMITTAL for FY 2000 <i>Patent fees are subject to annual revision. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid See Forms PTO/SB/09-12.</i>						Complete if Known							
						Application Number			To be assigned				
						Filing Date			Concurrently Herewith				
						First Named Inventor			Shiquan Wu et al.				
						Group Art Unit			to be assigned				
Examiner			to be assigned										
TOTAL AMOUNT OF PAYMENT		(\$) 1042.00				Attorney Docket No.		NTL-3.2.145/3518 (12810ROUS01U)					
METHOD OF PAYMENT (check one)						FEE CALCULATION (continued)							
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to Deposit Account Number: 03-2317 Deposit Account Name: COBRIN & GITTES <input type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 and 1.17						3. ADDITIONAL FEES							
						Large Entity		Small Entity					
						Code	(\$)	Code	(\$)	Fee Description		Fee Paid	
105	130	205	65	Surcharge - Late filing fee or oath									
127	50	227	25	Surcharge - late provisional filing fee or cover sheet									
139	130	139	130	Non-English specification									
147	2,520	147	2,520	Request for Reexamination									
112	920*	112	920*	Req publication of SIR prior to Examiner action									
113	1,840	113	1,840	Requesting publication of SIR after Examiner action									
FEE CALCULATION													
1. BASIC FILING FEE													
Large Entity		Small Entity											
Code	(\$)	Code	(\$)	Fee Description		Fee Paid							
101	710	201	355	Utility filing fee		\$710 00							
106	320	206	160	Design filing fee									
107	490	207	245	Plant filing fee									
108	710	208	355	Reissue filing fee									
114	150	214	75	Provisional filing fee									
SUBTOTAL (1)				\$710 00									
2. EXTRA CLAIM FEES													
				Extra Claim		Fee below		Fee Paid					
Total Claims		34	-20 =	14	x	9 or 18		252 00					
Indep. Claims		4	-3 =	1	x	40 or 80		80 00					
Multiple Dependent				130									
** or number previously paid, if greater, for reissues, see below													
Large Entity		Small Entity											
Code	(\$)	Code	(\$)	Fee Description									
103	18	203	9	Claims in excess of 20		123 50		123 50					
102	80	202	40	Independent claims in excess of 3		126 240		126 240					
104	270	204	135	Multiple dependent claim, if not paid		581 40		581 40					
109	80	209	40	**Reissue independent claims over original patent		146 710		246 355					
110	18	210	9	**Reissue claims in excess of 20 and over original patent		149 710		249 355					
SUBTOTAL (2)				(\$) 332 00									
						Other fee (specify) _____							
						*Reduced by Basic filing fee Paid SUBTOTAL (3) 0							
SUBMITTED BY						Complete (if applicable)							
Typed or Printed Name		Lawrence E. Russ				Registration Number		35,342					
Signature						Date		December 29, 2000					